

# PRODUCT INFORMATION PACKET

Model No: 5011LXVFS6546  
Catalog No: Y938  
500,1800,TEFC,5011LX(BAR),3/60/2300/4000  
Medium And High Voltage NEMA



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### Nameplate Specifications

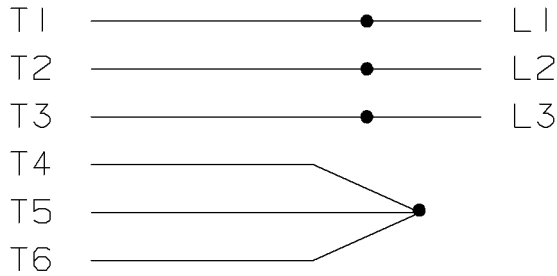
Output HP	<b>500 Hp</b>	Output KW	<b>370 kW</b>
Frequency	<b>60 Hz</b>	Voltage	<b>2300/4000 V</b>
Current	<b>110/63.5 A</b>	Speed	<b>1785 rpm</b>
Service Factor	<b>1.15</b>	Phase	<b>3</b>
Efficiency	<b>96.5 %</b>	Duty	<b>CONTINUOUS</b>
Insulation Class	<b>H</b>	Design Code	<b>B</b>
KVA Code	<b>G</b>	Frame	<b>5011LX</b>
Enclosure	<b>TEFC</b>	Overload Protector	<b>NOT</b>
Ambient Temperature	<b>40 °C</b>	Drive End Bearing Size	<b>6324</b>
Opp Drive End Bearing Size	<b>6318</b>	UL	<b>No</b>
CSA	<b>Y</b>	CE	<b>N</b>
IP Code	<b>55</b>		

### Technical Specifications

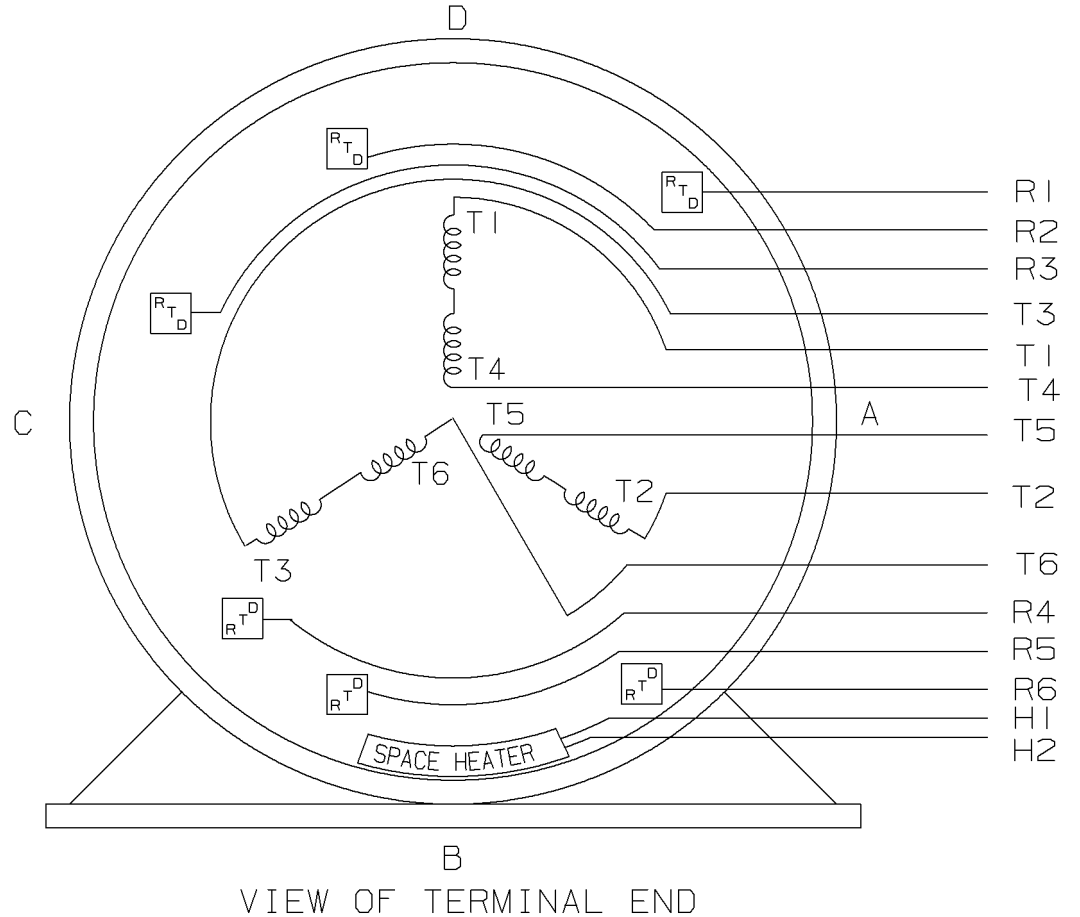
Electrical Type	<b>SQ CAGE IND RUN</b>	Starting Method	<b>ACROSS THE LINE</b>
Poles	<b>4</b>	Rotation	<b>REV</b>
Mounting	<b>RIGID</b>	Motor Orientation	<b>HORIZONTAL</b>
Drive End Bearing	<b>BALL</b>	Opp Drive End Bearing	<b>BALL</b>
Frame Material	<b>CAST IRON</b>	Shaft Type	<b>LX</b>
Overall Length	<b>73.8 in</b>	Frame Length	<b>49.5 in</b>
Shaft Diameter	<b>3.88 in</b>	Shaft Extension	<b>12.3 in</b>
Assembly/Box Mounting	<b>F1/F2 CAPABLE</b>		
Outline Drawing	<b>B-SS518707-4950</b>	Connection Diagram	<b>A-EE7304AC</b>



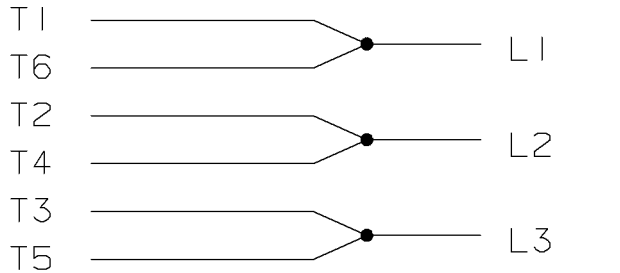
HIGH VOLTAGE  
"Y" CONNECTION



THREE PHASE - DUAL VOLTAGE  
WITH 6 RTD'S 2 PER PHASE AND SPACE HEATER



LOW VOLTAGE - DELTA



VIEW OF TERMINAL END

				✓ MAX. SURFACE ROUGHNESS UNLESS NOTED OTHERWISE	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOL. ON XX±    XXX±.005    XXXX±.0005    ANGLES±		
				MATL SPEC			DRAWN BY CAE 05-07-1999
				FINISH			CHKD BY
I		NEW DRAWING	CAE	PART NAME CONNECTION DIAGRAM - THREE PHASE DUAL VOLTAGE 6 RTD'S & SPACE HEATER		WAUSAU, WISCONSIN 54401	APPD BY
REV	DATE	CHANGE	NAME	DRWG NO A-EE7304AC			

SHOP BOOK	PURCHASED	DISTRIBUTION - WA - LB - WP - LM	CADD FILE NO.	EE7304AC
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ERROR: syntaxerror  
OFFENDING COMMAND: --nostringval--
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Data Sheet

Date: 6/19/2017

Customer:

Attention:

Submitted by:

FAREEDA DUDEKULA



501-LXVFS6546

Submittal

Data @ 4000 V

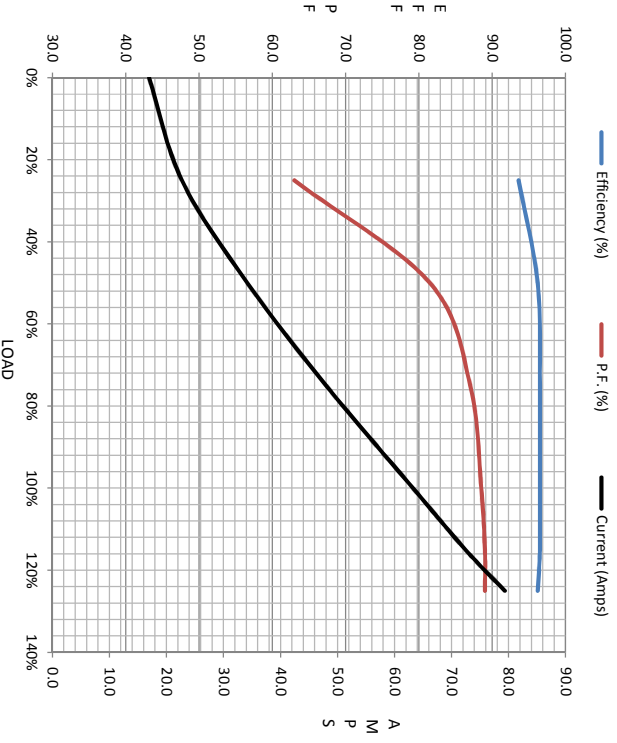
Load	Motor Load Data							
	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	17.0	22.7	34.2	48.0	63.3	72.5	79.4	417
Torque (ft-lb)	0.00	366	732	1,100	1,470	1,693	1,842	1,950
RPM	1800	1796	1792	1790	1785	1,782	1780	0
Efficiency (%)		93.6	96.2	96.5	96.5	96.5	96.2	
P.F. (%)	4.5	63.0	81.5	87.0	88.5	89.0	89.0	22.0

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (rpm)	0	900	1725	1785	1800
Current (Amps)	417	374	230	63.3	17.0
Torque (ft-lb)	1,950	1,750	3,650	1,470	0.00

Information Block

HP	500.0			
Sync. RPM	1800			
Frame	5011			
Enclosure	TEFC			
Construction	TEN			
Voltage	2300/4000 V			
Frequency	60 HZ			
Design	A			
LR Code letter	G			
Service Factor	1.15			
Temp Rise @ FL	75 °C			
Duty	CONT			
Ambient	40 °C			
Elevation	1,000 feet			
Rotor/Shaft wkt	220 Lb-Fe			
Rel Wdg	V511443 NONE			
Sound Pressure @ 1M	88 dbA			
VFD Rating	NONE			
Outline Dwg	B-SS518707-4950			
Conn. Diag	A-EET304AC			
Additional Specifications:				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.4290	0.2960	3.8350	3.9380	135.0320



Speed - Torque Curve

